

WHAT IS CLAIMED IS:

1. A liquid cartridge for supplying a liquid by being mounted on a liquid ejecting apparatus, comprising:
 - a container body having an opening part, which is opened, at a first side face;
 - a lid, which is attached to said first side face of said container body, for covering said opening part;
 - a penetrating part formed at said container body or said lid; and
 - a caulking part formed at said container body or said lid and inserted into said penetrating part in order for a tip part thereof to be caulked.
2. A liquid cartridge as claimed in claim 1, further comprising a sealing member having flexibility for forming a liquid containing chamber, which is a closed space for containing a liquid in association with said container body by sealing said opening part of said container body, wherein
 - said sealing member is covered by said lid at said first side face.
3. A liquid cartridge as claimed in claim 2, wherein said sealing member comprises a sealing member extending part, which extends to an area facing an edge part of said cartridge body and an edge part of said lid, and
 - said sealing member extending part is fixed by being put between said edge part of said cartridge body and said edge part of said lid.
4. A liquid cartridge as claimed in claim 1, wherein said

penetrating part is formed at an engaging part, which has an extending part that extends along a second side face adjacent to said first side face of said container body.

5. A liquid cartridge as claimed in claim 4, wherein said engaging part has an end part a height of which with respect to a direction perpendicular to said second side face is higher than a plane of said extending part.

6. A liquid cartridge as claimed in claim 4 or claim 5, wherein said engaging part further comprising a side wall part provided along both side ends of said extending part, and a height of said side wall part with respect to a direction perpendicular to the second side face is higher than the plane of said extending part.

7. A liquid cartridge as claimed in claim 5, further comprising an engagement hollow part, which is provided at said container body or said lid and has substantially the same width as said engaging part, for accepting said engaging part, wherein a depth of said engagement hollow part is substantially the same as that of said end part in a direction perpendicular to said second side face.

8. A liquid cartridge as claimed in claim 4, wherein said container body or said lid is provided with either of said engaging part or said caulking part respectively at a plurality of said second side faces adjacent to said first side face, and said penetrating part of said engaging part at first one of said plurality of said second side faces is a penetrating hole in order for said caulking part to be inserted,

while said penetrating part of said engaging part at second one of said plurality of said second side faces is formed as a notch in order for said caulking part to be inserted.

9. A liquid cartridge as claimed in claim 1, wherein a caulking part, which extends in a direction perpendicular to said first side face, is formed at said container body or said lid,

while a penetrating part, into which said caulking part is inserted, is formed at said container body or said lid, which does not have said caulking part.

10. A liquid cartridge as claimed in claim 1, wherein a liquid supplying part is formed at a side face adjacent to said first side face of said container body and communicates with a liquid containing chamber formed at said container body, and

said container body or said lid is provided with a plurality of engaging parts, which extend along a second side face adjacent to said first side face in order to hold said liquid supplying part,

while said container body or said lid, which does not have said engaging parts, is provided with a plurality of caulking parts, one of which is inserted into said penetrating part provided at said engaging part.

11. A liquid cartridge as claimed in claim 10, wherein said penetrating part of said engaging part is formed as a penetrating hole at said side face at which said liquid supplying part is formed.

12. A liquid cartridge as claimed in claim 10 or claim 11, wherein said container body or said lid comprises an engaging

part, which extends along a side face adjacent to said side face, at which said liquid supplying part is formed, and adjacent to said first side face, and

a penetrating part of said engaging part is formed as a notch, of which an end part is opened.

13. A liquid cartridge as claimed in claim 10, wherein said container body or said lid is provided with a caulking part, which extends in a direction perpendicular to said first side face, near a side face opposite to said side face at which said liquid supplying part is formed,

while said container body or said lid, which does not have said caulking part, is provided with a penetrating part, which penetrates in a direction perpendicular to said first side face, into which said caulking part is inserted.

14. A liquid cartridge as claimed in claim 1, further comprising: a groove part, which is provided at two side faces of said container body or said lid, wherein said two side faces are parallel to each other among second side faces adjacent to said first side face, and extend to be parallel to said first side face, and

a rail part, which is provided at said container body or said lid, which does not have said groove part and is guided by said groove part, wherein

a penetrating part and a caulking part are provided at a side face perpendicular to said two side faces, which are parallel, among said second side faces.

15. A liquid cartridge as claimed in claim 1, provided with a memory supporting part for supporting a memory for storing

information about a liquid at a second side face adjacent to said first side face of said container body, wherein
said memory supporting part is attached to said container body to cover at least one of said caulking parts.

16. A liquid cartridge as claimed in claim 15, wherein said memory supporting part is attached to said container body by caulking a portion of said memory supporting part at a portion of said container body.

17. A method for manufacturing a liquid cartridge, which comprises:

a container body having an opening part, which is opened, at a first side face;

a lid, which is attached to said first side face of said container body, for covering said opening part;

a penetrating part formed at said container body or said lid; and

a caulking part formed at said container body or said lid and inserted into said penetrating part, in order for a tip part thereof to be caulked, wherein

said method comprises:

determining a position of said lid in regard to said first side face of said container body by fitting said caulking part into said penetrating part and

performing caulking by deforming said tip part of said caulking part with heat.

18. A method for manufacturing a liquid cartridge as claimed in claim 17, wherein said container body or said lid is provided with either of said engaging part, which has an extending part

that extends along a second side face adjacent to said first side face and said penetrating part, or said caulking part respectively at a plurality of said second side faces, and said penetrating part of said engaging part at first one of said plurality of said second side faces is a penetrating hole in order for said caulking part to be inserted,

while said penetrating part of said engaging part at second one of said plurality of said second side faces is formed as a notch in order for said caulking part to be inserted, and said position determining step comprises:

fitting said engaging part, which has said penetrating hole at said first one of said plurality of said second side faces, with said caulking part corresponding to said penetrating hole and

fitting said caulking part, which corresponds to a notch at said second one of said plurality of said second side faces, into said engaging part having said notch by turning said lid toward said container body, taking a fitted part between said penetrating hole and said caulking part as a turning center.

19. A method for manufacturing a liquid cartridge as claimed in claim 18, wherein said container body or said lid is provided with a caulking part, which extends in a direction perpendicular to said first side face, near a side face opposite to said second side face at which said engaging part having said penetrating hole is formed,

while said container body or said lid, which does not have said caulking part, is provided with a penetrating hole, which penetrates in a direction perpendicular to said first side face into which said caulking part is inserted, and

said position determining step further comprises:

fitting said penetrating part, which penetrates in a direction perpendicular to said first side face, with said caulking part, which extends in a direction perpendicular to said first side face, by turning said lid toward said container body, taking a fitted part between said penetrating hole and said caulking part as a turning center.